

PATENT APPLICATION  
File No: 02-12

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Chung Chan, Bruce L. Zamost, Douglas C. Covert, Hong Y. Liu, Karen S. de Jongh, Jeffrey D. Meyer, Susan D. Holderman  
Serial No. : 10/735,149  
Group Art Unit : 1646  
Confirmation No. : 2580  
Examiner : Jiang, D.  
Filed : December 12, 2003  
For : IL-21 PRODUCTION IN PROKARYOTIC HOSTS  
Date Submitted : December 21, 2006

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.56, 1.97 and 1.98, Applicants submit herewith references which they believe may be material to the examination of this application and with respect to which there may be a duty to disclose in accordance with 37 C.F.R. 1.56.

In accordance with 37 C.F.R. 1.97, the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been conducted, nor shall it be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).

The references are listed in PTO form 1449 which is in accordance with the requirements of M.P.E.P. 609. Applicants believe that their invention as claimed is patentable over the references. It is respectfully requested that these references be considered by the Patent and Trademark Office in its examination of the above-identified application and be made of record therein. The Examiner is also invited to contact the Undersigned if there are any questions concerning this paper or the attached references. Applicants have not included copies of the U.S. Patent Applications listed on the attached PTO-1449 as they are available on PAIR, but will supply paper copies if requested by the Examiner.

Information Disclosure Statement dated: December 21, 2006

Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

The Commissioner is hereby authorized to charge the fee under 37 C.F.R. §1.17(p) of \$180.00 to ZymoGenetics, Inc. Deposit Account No. 26-0290.

Respectfully submitted,



Deborah A. Sawislak  
Registration No. 37,438

Customer No. 10117  
ZymoGenetics, Inc.

FORM PTO 1449 (REV 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	File No. 02-12	Serial No. 10/735,149
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)		Applicant(s): Chung Chan, Bruce L. Zamost, Douglas C. Covert, Hong Y. Liu, Karen S. de Jongh, Jeffrey D. Meyer, Susan D. Holderman	
		Filing Date: December 12, 2003	Group: 1646

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A1		10/7456,780	06/06/03	Nelson et al.			
A2		11/539,036	10/05/06	Zamost et al.			
A3		11/539,045	10/05/06	Zamost et al.			
A4		11/539,055	10/05/06	Zamost et al.			
A5		10/456,262	06/06/03	Nelson et al.			
A6		11/553,367	10/26/06	Nelson et al.			
A7		11/553,381	10/26/06	Nelson et al.			
A8		11/553,389	10/26/06	Nelson et al.			
A9		11/553,392	10/26/06	Nelson et al.			
A10		11/553,395	10/26/06	Nelson et al.			
A11		10/456,780	06/06/03	Nelson et al.			
A12		11/548,196	10/10/06	Nelson et al.			
A13		11/548,202	10/10/06	Nelson et al.			
A14		11/548,517	10/11/06	Nelson et al.			
A15		11/548,530	10/11/06	Nelson et al.			
A16		11/548,538	10/11/06	Nelson et al.			
A17		11/548,554	10/11/06	Nelson et al.			
A18		11/548,567	10/11/06	Nelson et al.			
A19		11/548,574	10/11/06	Nelson et al.			
A20		11/548,585	10/11/06	Nelson et al.			
A21		11/548,877	10/12/06	Nelson et al.			
A22		11/548,946	10/12/06	Nelson et al.			
A23		11/548,963	10/12/06	Nelson et al.			
A24		11/548,969	10/12/06	Nelson et al.			
A25		11/134,489	05/20/05	Kindsvogel et al.			
A26		11/539,479	10/06/06	Kindsvogel et al.			
A27		11/539,493	10/06/06	Kindsvogel et al.			
A28		11/539,511	10/06/06	Kindsvogel et al.			
A29		11/285,970	11/23/05	Yee			

**FOREIGN PATENT DOCUMENTS**

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Examiner	Date considered
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO 1449</b> (REV 2-32)	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>	File No. 02-12	Serial No. 10/735,149
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		Applicant(s): Chung Chan, Bruce L. Zamost, Douglas C. Covert, Hong Y. Liu, Karen S. de Jongh, Jeffrey D. Meyer, Susan D. Holderman	
		Filing Date: December 12, 2003	Group: 1646

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A30	10/659,684	09/10/03	Novak et al.			
A31	11/549,772	10/16/06	Novak et al.			
A32	11/551,807	10/23/06	Novak et al.			
A33	11/551,344	10/20/06	Novak et al.			
A34	11/549,868	10/16/06	Novak et al.			
A35	11/551,349	10/20/06	Novak et al.			
A36	11/551,362	10/20/06	Novak et al.			
A37	11/551,368	10/20/06	Novak et al.			
A38	11/551,811	10/23/06	Novak et al.			
A39	11/551,820	10/23/06	Novak et al.			
A40	10/787,442	02/26/04	Novak et al.			
A41	11/532,776	09/18/06	Novak et al.			
A42	11/551,127	10/19/06	Novak et al.			
A43	11/551,136	10/19/06	Novak et al.			
A44	11/551,139	10/19/06	Novak et al.			
A45	11/551,144	10/19/06	Novak et al.			
A46	11/551,349	10/20/06	Novak et al.			
A47	11/346,580	02/02/06	Novak et al.			
48	6,605,272	08/12/03	Novak et al.	424	85.2	
49	6,686,178	10/23/01	Novak et al.	435	69.52	
50	6,057,128	05/20/00	Donaldson et al.	435	69.1	
51	2005124044	06/15/04	Cunningham et al.			

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<b>FOREIGN PATENT DOCUMENTS</b>								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		52	03/087320	WO				
		53	03/082212	WO				
		54	1513993	CN				
		55	2005049847	WO				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)</b>								
A56		Asano et al., "Antitumor activity of interleukin-21 prepared by novel refolding procedure from inclusion bodies expressed in <i>Escherichia coli</i> ," <u>FEBS Letters</u> 528:70-76, 2002.						
Examiner					Date considered			
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